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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,258	11/28/2006	Dong Wang	21101.0130U2	8266
23859 Ballard Spahr L	7590 09/28/201 LP	EXAMINER		
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			1619	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/591,258	WANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	SHANON A. FOLEY	1619			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be timil apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 30 Au This action is FINAL . 2b)☑ This Since this application is in condition for allowant closed in accordance with the practice under E.	action is non-final. ce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1,2,4-18,20-32,34-42,44-47,49-54 and 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1, 2, 4-18, 20-32, 34-42, 44-47, 49-54,	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction and the original sheet are considered to by the Examiner	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4)	ate			
Paper No(s)/Mail Date 6) Other:					

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1, 2, 4-15, 57-61, drawn to a pharmaceutical composition for the treatment of an inflammatory disease comprising a water-soluble polymer linked to a therapeutic agent, wherein the polymer accumulates at the treatment site.

Group II, claim(s) 16-18 and 20-24, drawn to a method of treating an inflammatory disease.

Group III, claim(s) 25-28, drawn to a method of administering an aqueous composition to a subject.

Group IV, claim(s) 29-32, 34-39, 41, 42, 44-46 and 62, drawn to a composition for imaging and evaluating an inflammatory disease comprising a water-soluble polymer linked to a medical imaging agent.

Group V, claim(s) 47, 49-54 and 63, drawn to a method for imaging an evaluating an inflammatory disease in a subject. (**Note, claim 63 currently depends from cancelled claim 55.**)

Group VI, claim(s) 64-66, drawn to a composition comprising a water soluble copolymer linked to a glucocorticoid.

The groups of inventions listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The special technical feature defining Group I is drawn to a pharmaceutical composition for the treatment of an inflammatory disease comprising a water-soluble polymer linked to a therapeutic agent, wherein the polymer accumulates at the treatment site. This special technical feature lacks novelty in the art. Woodle et al. (US 5,356,633) shows compositions wherein a hydrophilic biocompatible polymer in combination with a therapeutic agent, dexamethasone, see column 4, lines 9-25. The composition is formulated such that upon administration, it concentrates in a

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predetermined site, see column 4, lines 32-50. While the reference does not teach a polymer having an anti-inflammatory agent linked to said polymer, the reference does teach derivatized lipids wherein the lipid is linked to the polymer, see column 7, lines 14-44. It would be reasonable to link the drug and polymers directly to optimize therapeutic efficacy. Accordingly, any subsequent patentably distinct invention lacks unity with the first group, see 37 CFR § 1.476 (d).

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

For Group I, the following species (A-D) are pertinent upon election of this Group:

- A) A single water-soluble polymer, selected from the respective order recited in claim 4.
- B) One or more targeting moieties, selected from the respective order recited in claim 10.
- C) A selection of one or more monomers comprised within the water-soluble polymer, selected from the respective order recited in claims 13 and 14.
 - D) One or more therapeutic agents, selected from the respective order recited in claim 15.

<u>For Group II</u>, the following species (E) is pertinent upon election of this Group:

(E) A single targeting moiety, selected from the respective order recited in claim 23.

<u>For Group III</u>, the following species (F) is pertinent upon election of this Group:

(F) A selection of a single therapeutic agent, selected from the respective order recited in claim 27.

For Group IV, the following species (G-K) are pertinent upon election of this Group:

- (G) One or more medical imaging agents, selected from the respective order recited in claim 31.
- (H) A single water-soluble polymer, selected from the respective order recited in claim 34.
 - (I) A single targeting moiety, selected from the respective order recited in claim 42.
- (J) A selection of one or more monomers comprised within the water-soluble polymer, selected from the respective order recited in claims 44 and 45.
- (K) A selection of a single therapeutic agent, selected from the respective order recited in claim 46.

<u>For Group V</u>, the following species (L) is pertinent upon election of this Group:

(L) A single targeting moiety, selected from the respective order recited in claim 52.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

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Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise require all the limitations of an allowed generic claim. Currently, the following claim(s) are generic: 1, 2, 5-9, 11, 12, 16-18, 20-22, 24-26, 28-30, 32, 35-39, 41, 43, 47, 49-51, 53, 54 and 57-66.

REQUIREMENT FOR UNITY OF INVENTION

As provided in 37 CFR 1.475(a), a national stage application shall relate to one invention only or to a group of inventions so linked as to form a single general inventive concept ("requirement of unity of invention"). Where a group of inventions is claimed in a national stage application, the requirement of unity of invention shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features. The expression "special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art.

The determination whether a group of inventions is so linked as to form a single general inventive concept shall be made without regard to whether the inventions are claimed in separate claims or as alternatives within a single claim. See 37 CFR 1.475(e).

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WHEN CLAIMS ARE DIRECTED TO MULTIPLE CATEGORIES OF INVENTIONS

As provided in 37 CFR 1.475(b), a national stage application containing claims to different categories of invention will be considered to have unity of invention if the claims are drawn only to one of the following combinations of categories:

- (1) A product and a process specially adapted for the manufacture of said product; or
- (2) A product and process of use of said product; or
- (3) A product, a process specially adapted for the manufacture of the said product, and a use of the said product; or
- (4) A process and an apparatus or means specifically designed for carrying out the said process; or
- (5) A product, a process specially adapted for the manufacture of the said product, and an apparatus or means specifically designed for carrying out the said process.

Otherwise, unity of invention might not be present. See 37 CFR 1.475(c).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of

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election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected invention or species.

Should applicant traverse on the ground that the inventions have unity of invention (37 CFR 1.475(a)), applicant must provide reasons in support thereof. Applicant may submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. Where such evidence or admission is provided by applicant, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder. <u>All</u> claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

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In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained.

Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHANON A. FOLEY whose telephone number is (571)272-0898. The examiner can normally be reached on flex, generally M-F 7AM - 3 PM, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne L. Eyler can be reached on (571) 272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shanon A. Foley/ Primary Examiner Art Unit 1619